

Title (en)  
Use of a coupling member or use of an electrophotographic photosensitive drum having a coupling member

Title (de)  
Verwendung eines Kopplungsmittels oder Verwendung einer ein Kopplungsmittel aufweisenden elektrophotografischen photosensitiven Trommel

Title (fr)  
Utilisation d'un élément de couplage ou utilisation d'un tambour photosensible avec un élément de couplage

Publication  
**EP 2062099 A1 20090527 (EN)**

Application  
**EP 07860561 A 20071225**

Priority  
• JP 2007075366 W 20071225  
• JP 2006346191 A 20061222  
• JP 2007042666 A 20070222  
• JP 2007330304 A 20071221

Abstract (en)  
[origin: WO2008081966A1] A rotating force transmitting part for a photosensitive drum for a main assembly of an image forming apparatus, wherein the main assembly includes a driving shaft having a rotating force applying portion including a coupling member capable of taking a rotational force transmitting angular position for transmitting the rotational force to the drum and a disengaging angular position in which the coupling member is inclined away from the axis of the drum from the rotational force transmitting angular position, wherein when the drum is dismounted from the main assembly in a direction perpendicular to the axis of the drum, the coupling member moves from the rotational force transmitting angular position to the disengaging angular position.

IPC 8 full level  
**G03G 21/18** (2006.01); **G03G 15/00** (2006.01); **G03G 21/16** (2006.01)

CPC (source: BR CN EP KR RU US)  
**G03G 15/02** (2013.01 - CN RU); **G03G 15/06** (2013.01 - KR RU); **G03G 15/751** (2013.01 - BR EP RU US);  
**G03G 15/757** (2013.01 - BR EP RU US); **G03G 21/16** (2013.01 - BR RU); **G03G 21/1671** (2013.01 - CN); **G03G 21/18** (2013.01 - BR RU);  
**G03G 21/1853** (2013.01 - BR EP US); **G03G 21/1857** (2013.01 - BR CN EP US); **G03G 21/186** (2013.01 - BR EP US);  
**G03G 2221/1657** (2013.01 - BR EP US)

Citation (search report)  
See references of WO 2008081966A1

Cited by  
EP3486729A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008081966 A1 20080710**; AU 2007340402 A1 20080710; AU 2007340402 B2 20111124; BR 122015016845 B1 20200114;  
BR PI0721104 A2 20140304; BR PI0721104 B1 20191210; CA 2670072 A1 20080710; CA 2670072 C 20150915; CA 2883912 A1 20080710;  
CA 2883912 C 20191105; CA 3006479 A1 20080710; CA 3006479 C 20230131; CA 3041252 A1 20080710; CA 3041252 C 20210727;  
CA 3113338 A1 20080710; CN 101583910 A 20091118; CN 101583910 B 20130724; CN 103324057 A 20130925; CN 103324057 B 20161109;  
CN 103345135 A 20131009; CN 103345135 B 20170412; CN 103345138 A 20131009; CN 103345138 B 20160406; CN 103383534 A 20131106;  
CN 103383534 B 20160914; CN 103439870 A 20131211; CN 103439870 B 20190618; CN 105446106 A 20160330; CN 105446106 B 20200214;  
DE 112007003046 B4 20170614; DE 112007003046 T5 20091015; EP 2062099 A1 20090527; EP 2062099 B1 20181121;  
EP 3486729 A1 20190522; EP 3486729 B1 20201007; HK 1132339 A1 20100219; HK 1187991 A1 20140417; HK 1188835 A1 20140516;  
HK 1218786 A1 20170310; JP 2008233868 A 20081002; JP 4948382 B2 20120606; KR 101082200 B1 20111109; KR 101216915 B1 20121228;  
KR 101366926 B1 20140224; KR 101367028 B1 20140224; KR 101367045 B1 20140224; KR 101367055 B1 20140224;  
KR 20090105942 A 20091007; KR 20100017728 A 20100216; KR 20110085006 A 20110726; KR 20110086882 A 20110801;  
KR 20120115573 A 20121018; KR 20120115574 A 20121018; MX 2009005493 A 20090603; MX 2020011123 A 20201111;  
MX 342692 B 20161010; MX 347646 B 20170508; MY 158797 A 20161115; MY 182592 A 20210126; RU 2012130771 A 20140127;  
RU 2014115669 A 20151027; RU 2521160 C2 20140627; RU 2612948 C2 20170314; RU 2656290 C1 20180604; RU 2698283 C1 20190823;  
RU 2719734 C1 20200422; RU 2730747 C1 20200825; RU 2747373 C1 20210504; RU 2766426 C1 20220315; SG 10201507914W A 20151029;  
SG 179297 A1 20120427; SG 191446 A1 20130731; TW 200905099 A 20090201; TW 201033493 A 20100916; TW 201310178 A 20130301;  
TW 201310179 A 20130301; TW 201610617 A 20160316; TW 201827958 A 20180801; TW I429828 B 20140311; TW I456363 B 20141011;  
TW I499873 B 20150911; TW I501052 B 20150921; TW I631436 B 20180801; TW I638248 B 20181011; US 10209670 B2 20190219;  
US 10429794 B2 20191001; US 10845756 B2 20201124; US 11156956 B2 20211026; US 2008260428 A1 20081023;  
US 2013071141 A1 20130321; US 2013164031 A1 20130627; US 2014064783 A1 20140306; US 2014086634 A1 20140327;  
US 2015346670 A1 20151203; US 2018004155 A1 20180104; US 2019137928 A1 20190509; US 2019391528 A1 20191226;  
US 2021041830 A1 20210211; US 8295734 B2 20121023; US 8452210 B2 20130528; US 8532533 B2 20130910; US 8676090 B1 20140318;  
US 9176468 B2 20151103; US 9772602 B2 20170926

DOCDB simple family (application)  
**JP 2007075366 W 20071225**; AU 2007340402 A 20071225; BR 122015016845 A 20071225; BR PI0721104 A 20071225;  
CA 2670072 A 20071225; CA 2883912 A 20071225; CA 3006479 A 20071225; CA 3041252 A 20071225; CA 3113338 A 20071225;  
CN 200780047512 A 20071225; CN 201310275129 A 20071225; CN 201310275156 A 20071225; CN 201310276178 A 20071225;  
CN 201310276196 A 20071225; CN 201310276561 A 20071225; CN 201510660802 A 20071225; DE 112007003046 T 20071225;  
EP 07860561 A 20071225; EP 18207343 A 20071225; HK 09112355 A 20091231; HK 14101113 A 20140206; HK 14101842 A 20140226;  
HK 16106776 A 20160613; JP 2007330304 A 20071221; KR 20097015474 A 20071225; KR 20097025688 A 20071225;  
KR 20117016749 A 20071225; KR 20117016752 A 20071225; KR 20127023226 A 20071225; KR 20127023228 A 20071225;  
MX 2009005493 A 20071225; MX 2015013764 A 20071225; MX 2016013174 A 20071225; MX 2020011123 A 20090525;

MY PI20092604 A 20071225; MY PI2015002565 A 20071225; RU 2012130771 A 20120718; RU 2014115669 A 20140418;  
RU 2017107188 A 20170306; RU 2018118790 A 20180522; RU 2019125159 A 20190808; RU 2020113454 A 20200414;  
RU 2020127733 A 20200820; RU 2021111621 A 20210423; SG 10201507914W A 20071225; SG 2010065621 A 20071225;  
SG 2011095817 A 20071225; TW 101141802 A 20071224; TW 101141806 A 20071224; TW 104120724 A 20071224;  
TW 106134075 A 20071224; TW 96149779 A 20071224; TW 98135942 A 20071224; US 201213617916 A 20120914;  
US 201213693656 A 20121204; US 201313953779 A 20130730; US 201314096738 A 20131204; US 201514728722 A 20150602;  
US 201715704421 A 20170914; US 201816234808 A 20181228; US 201916564646 A 20190909; US 202017076968 A 20201022;  
US 96446907 A 20071226